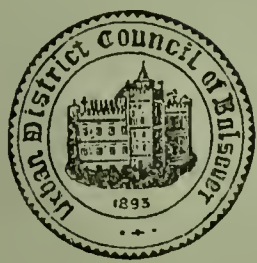
Urban District of Bolsover.



ANNUAL REPORT

— ON THE —

Health and Sanitary State of the District,

For the Year 1921.

GEO. KENT, PRINTER, STATION ROAD, BOLSOVER

Urban District Council of Bolsover

HEALTH COMMITTEE,

DECEMBER 31st, 1921.

COUNCILLOR J. ALLCOCK, (CHAIRMAN),
" G. R. ADIN,
" J. T. BAGSHAW,
" J. BINGLEY,
" H. W. DAY, J.P.,
" W. HERBERT,
" W. T. MARSH,
" J. PRICE,
" J. SHELTON,
" J. STREET,
" M. STUBBINS,
" T. WALSH.

HEALTH DEPARTMENT:

Medical Officer of Health :

WILLIAM STRATTON, L.R.C.S.I., L.R.C.P.I.

Sanitary Inspector :

WALTER ELLIS, C.R.S.I., M.S.I.A.

Urban District Council of Bolsover.

To the Chairman and Members of the
Bolsover Urban District Council.

Gentlemen,

I have much pleasure in submitting to you the following Report upon the Health and Sanitary Condition of the District for the Year ending December 31st, 1921.

I am, Gentlemen,

Your obedient Servant,

WILLIAM STRATTON,

Medical Officer of Health.

March, 1922.

Report of the Medical Officer of Health for the Year 1921.

STATISTICAL SUMMARY:

Area of District in Acres (inclusive of water) ...	4955
Rateable Value	£48,546
General District Rate (for the year) ...	6s. in the £
Sum represented by a penny rate	£193
Geology... ...	Upper levels on Magnesion Limestone, Lower levels on Coal Measures.
Altitude...	225 to 581 feet above sea level
Total mileage of Roads within the District ...	29·125
Population (1820)	1,043
Population (Census of 1901)	6,844
Population (Census of 1911)	11,214
Population (end of 1921)	11,700
Number of Inhabited Houses (1820)	244
Number of Inhabited Houses (1921)	2,265
Number of Families or separate Occupiers (1921)	2,415
Number of New Houses erected (1921)	33
Chief Occupation of Inhabitants	Coal Mining
Number of Births	(Legitimate Males 158, Females 130) (Illegitimate Males 8, Females 6) 302
Birth Rate (R.G.) 1921	25.8
Number of Deaths (Males 74, Females 51) ...	125
Death Rate (R.G.) 1921	10·6
Number of Women dying in, or in consequence of, Childbirth	None
Infantile Mortality per 1,000 births : (Total Legitimate 33, Total Illegitimate 1)	112·5
Deaths from Measles (all ages)	4
Deaths from Whooping Cough (all ages)	1
Deaths from Diarrhœa (under 2 years of age) ...	7
Recreation Ground	Hornscroft
Smallpox Hospital	Spital, Chesterfield
Isolation Hospitals	Dronfield, Mastin Moor, Langwith, Morton and Penmore.
Tuberculosis Dispensary	Brimington Road, Chesterfield
Tuberculosis Sanatorium	Walton, Chesterfield

BIRTHS.

302 Births were registered (166 Boys and 136 Girls). The births registered during 1920 were 407 (209 Boys and 198 Girls), so that there were 105 fewer births last year than during 1920. The Birth Rate for 1921 is 25·8, that for 1920 being 25·44, and for 1919, 23·69. The Registrar General's estimate of the population of the district for births and deaths is 11,700.

DEATHS.

125 Deaths occurred (74 males and 51 females). Three of these were due to violence. Tubercular diseases were responsible for 14 deaths, and Cancer caused 5 deaths. Three deaths were attributed to Influenza. There were no deaths from Influenza during 1920, but in 1919 Influenza caused 13 deaths.

INFANTILE MORTALITY.

34 Deaths occurred in children under 1 year of age, making a rate per 1,000 births of 112·5, this is practically double the infantile death rate for 1920, but considerably less than the rate for 1919, which was 172·4. Congenital Debility, Malformations, and Premature Birth were responsible for 14 deaths included in the total of 34. One of the deaths occurred in an illegitimate infant. The total number of births being below the average, has also a direct effect in making the infantile death rate high.

MATERNITY & CHILD WELFARE.

There are two Babies' Welcomes open ; one at Bolsover and the other at New Bolsover. Both are under the control of the County Council. Good work is being done at both centres.

INFECTIOUS DISEASE.

The following table shows the number of Infectious Diseases and the number of cases removed to Hospital during the year :—

Diseases.	No. Notified	No removed Hospital
Diphtheria & Membranous Croup	60	55
Scarlatina	23	22
Erysipelas	9	...
Malaria	...	...
Pneumonia	36	...
Puerperal Fever	...	...
Enteric Fever	...	...
Ophthalmia Neonatorum	1	...
Acute Ant. Poliomyelitis	1	1
Tuberculosis, Pulmonary... ...	12	...
Tuberculosis, other forms... ...	2	...
Encephalitis Lethargica	...	...
Smallpox	...	...
Cerebro-Spinal Fever	...	...
	144	78

TUBERCULOSIS.

The district stands well as regards freedom from Phthisis. The number of cases notified was 12, (16 during 1920). Phthisis caused 13 deaths, making a death rate per 1,000 per annum of 1·1. The Tuberculosis Dispensary, Chesterfield, serves for patients from this district, and most cases attend there for consultation and treatment. If the case be suitable, admission to the Sanatorium at Walton is arranged for.

VENEREAL DISEASES.

Special treatment is provided at the Venereal Clinic, Royal Hospital, Chesterfield. Morning and Afternoon sessions have been arranged on two days each week.

SMALLPOX.

Nil.

SCARLATINA.

23 cases were notified. No deaths. The cases occurred in all parts of the parish. 22 cases were removed to hospital, and immediate disinfection of infected premises carried out. Most of the cases were of a very mild type.

ERPSIPELAS.

9 cases were notified. No special remarks are called for. There were no deaths from this disease.

PUERPERAL FEVER.

Nil.

MEMBRANOUS CROUP & DIPHTHERIA.

60 cases were reported and 55 removed to hospital. Diphtheria caused 1 death. (6 deaths during 1920). Diphtheria antitoxin is provided free by the Council. Cases were notified every month during the year. I would urge speeding up the conversion of all existing privy-middens into water closets.

ENTERIC FEVER.

Nil.

MALARIA.

Nil.

OPHTHALMIA NEONATORUM.

1 case reported, the type was mild, and there was no permanent damage to the eye-sight.

ACUTE ANTERIOR POLIOMYELITIS.

1 case reported.

ENCEPHALITIS LETHARGICA.

Nil.

SCABIES.

A few cases came under my notice, but this disease has now practically disappeared from the district.

PNEUMONIA.

Pneumonia caused 9 deaths. 36 cases were notified.

CEREBRO-SPINAL FEVER.

Nil.

INFLUENZA.

This disease was epidemic during November and December. The cases were of a much milder nature than those of the epidemic of 1920. Influenza caused 3 deaths.

LABORATORY WORK.

Number of specimens sent to the County Laboratory during 1921

	Positive.	Negative	Total.
Enteric Fever	...	3	3
Diphtheria	3	10	13
Phthisis	5	22	27
Miscellaneous	1	...	1
Totals	9	35	44

ADOPTIVE ACTS, BYELAWS & REGULATIONS.

List of Adoptive Acts, Byelaws and Local Regulations relating to the public health, in force in the district :

Infectious Disease (Notification) Act, 1885.
Infectious Disease (Prevention) Act, 1890.
Public Health Act Amendment Act, 1890, Parts 2 and 3.
Private Streets Works Act, 1892.
Public Health Acts Amendment Act, 1907, Parts 2, 3, 4, 5, and Section 95, Part 10.

Byelaws (made in 1915) with respect to :

Paving of Yards and Open Spaces.
New Streets and Buildings.
Houses let in Lodgings.
Common Lodging Houses.
Drainage of existing Buildings.
Tents, Vans, Sheds, and Similar Structures.
Slaughterhouses.
Nuisances.
Offensive Trades.

Regulations (made in 1906) with respect to :

Dairies, Cowsheds, and Milkshops.

SANITARY ADMINISTRATION.

WATER SUPPLY.

The public water supply, belonging to the Bolsover Water Works Co., is derived from the works of the Railway Company in carrying the railway through the water shed dividing the Doe Lea from the river Poulter. The supply is satisfactory in quality and being very hard there is little risk of plumbo-solvent action. Nine houses had the public supply laid on during the year. The number of houses in the Bolsover, Carr Vale, Shuttlewood, and Stanfree Areas of the district now provided with the public supply is 1,420.

SCHOOLS.

There are 7 schools within the district. All are provided with the public water supply. Visits have been paid to all school with respect to sanitary conditions. The present closet accommodation provided for the Shuttlewood Council School is unsatisfactory, and steps should be taken to provide this School with sufficient water closets.

FACTORIES & WORKSHOPS.

Registered premises under the Factory and Workshop Acts number 22, including 4 bakehouses. 42 visits have been paid to the various premises, and 12 sanitary defects found have been dealt with. There are no registered outworkers in the district.

FOOD.

MILK SUPPLY :—There has been no definite evidence of any disease being attributable to milk supply or distribution during the year. Almost the whole of the milk produced in the district is sold within it, and a quantity of milk is also brought in from outlying areas. 29 persons are registered as Milksellers in the district.

OTHER FOODS :—Meat and other foods offered in the district during the year have been on the whole of good quality. The

various private slaughterhouses have been maintained in satisfactory condition.

AIR POLLUTION.

No nuisances arising through the pollution of the air by smoke or other noxious vapours have occurred in the district during the year.

SCAVENGING.

The important work of house refuse collection and disposal has been efficiently carried out by the Council during the year. The substitution of privies by water closets, and of ashpits by ashbins results in a large saving of time in scavenging, and a betterment of public health. During the year a number of privies and pail closets have been converted into water closets, and a large number of ashpits replaced with portable covered ashbins. The various refuse tips in the district have been kept as far as possible in satisfactory condition, but this method of refuse disposal is one that is not free of objection. All the district with the exception of the Shuttlewood Area is now scavenged by direct labour.

DRAINAGE & SEWERAGE.

The sewage of various parts of the district is treated and disposed of at six Outfall Works situated at Carr Vale, Shuttlewood, Stanfree, and Whaley Common.

No extensions of sewer were completed during the year. A large number of house drains have been reconstructed and improved. Four additional cesspools for house drainage were brought into use. There has been no evidence of any pollution of rivers or streams during the year.

The following tabular summary of the work of the Health Department during the year is presented by your Sanitary Inspector :—

SANITARY INSPECTOR'S REPORT.

To the Chairman and Members of the Bolsover Urban
— District Council. —

Gentlemen,

I have pleasure in submitting to you the following Report showing the various works carried out in the Health Department during the year ending December 31st, 1921.

INSPECTIONS-NUISANCES-NOTICES.

INSPECTIONS.	
Total Inspections made...	1810
No. of houses inspected under Public Health or Housing Acts	147
No. of houses inspected and recorded under Housing Regulations	53
No. of Inspections re Infectious Disease	109
No. of Inspections of Foodstuffs and of Premises ...	97
No. of Inspections of Schools	18
No. of Inspections of Vans	10
No. of Inspections of Cinemas	8
No. of Inspections re Keeping of Animals	48
NUISANCES.	
Total number of Nuisances dealt with	810
No. of Nuisances abated	772
No. of Nuisances in hand at end of year	38
No. of Complaints dealt with	85
NOTICES.	
No. of Informal Notices served	198
No. of Statutory Notices served	2
No. of times Legal Proceedings were taken	none

SUMMARY OF WORK CARRIED OUT.

SANITARY WORKS & IMPROVEMENTS.

Drains Tested	83
Defective Drains, Traps and Waste Pipes remedied	158
New Drains laid	91
Choked Drains cleansed	34
Defective Privies, Pail Closets and Ashpits remedied	119
Conversions of Privies into Water Closets	10
Conversions of Pail Closets into Water Closets ...	2
Defective Water Closets remedied	15
Ashpits replaced with portable Ashbins	95
Defective Yards and Footpaths repaired ...	49
Houses provided with internal Public Water Supply	38
Houses provided with a sufficient Sink	2
Defective Roofs and Rain-Water Conductors repaired	34
Defective Plaster Work repaired	10
Dampness remedied	56
Defective Windows repaired	16
Insufficient Ventilation remedied	7
Provision of adequate Cooking arrangements ...	8
Provision of adequate Washing arrangements ...	6
Nuisances arising through keeping of Animals abated	4
Defective Urinals repaired	2
Dirty premises cleansed	3
Accumulations removed	3
Defective Floors repaired	4
Miscellaneous defects remedied	6

FOOD INSPECTIONS.

Unsound Food destroyed : 560-lbs, of Vegetables, 472-lbs. of Fish, 48 tins of Fish, 42-lbs. of Beef, 10 Rabbits.

DISINFECTION.

Infected rooms disinfected by Formaldehyde ...	122
Schools disinfected	7
Householders supplied with disinfectants	376

RAT EXTERMINATION.

Rats destroyed at Refuse Tips and Sewage Works ...	99

REGISTERED PREMISES.

	Number on Register	No. of Inspections made.	No. of defects found & remedied	OBSERVATIONS.
Factories and Workshops	18	32	10	3 notifications received from H.M. Inspector & dealt with. 4 additional Workshops registered during the year. No registered outworkers in the district.
Bakehouses	4	10	2	1 notification received from H.M. Inspector & dealt with. 1 Bakehouse registered during the year.
Slaughterhouses	11	42	11	2 registered and 9 licensed Slaughterhouses in district. 2 additional slaughterhouses licensed during the year. All the slaughterhouses kept in satisfactory condition.
Dairies, Cowsheds and Milkshops	29	45	8	25 registered cowkeepers and 4 registered purveyors in the district.
Offensive Trades	11	33	8	10 registered Fish-friers and 1 registered Tripe-boiler in the district.
Common Lodging Houses	1	4	2	Accommodating 27 lodgers.

CLOSET & ASHPIT ACCOMMODATION-ALTERATIONS-REFUSE COLLECTION.

CLOSET & ASHPIT ACCOMMODATION IN THE DISTRICT

No. of W.C's.	No. of Ashbins	No. of Dry Ashpits.	No. of Privies.	No. of Wet Ashpits.	No. of Pail Closets.	No. of Cesspools.
668	929	313	785	445	872	40

ALTERATIONS DURING THE YEAR.

Additional Water Closets...	34
Privies converted into Water Closets	10
Pail Closets converted into Water Closets	2
Ashpits replaced with portable Ashbins	95
Additional Ashbins	33
Additional Cesspools	4

REFUSE COLLECTION DURING THE YEAR.

No. of Ashbins Cleansed	No. of Dry Ashpits Cleansed.	No. of Wet Ashpits Cleansed	No. of Pail Closets Cleansed	No. of Cesspools Cleansed	Total loads of house refuse removed	Trade refuse Receptacles Cleansed
28323	2640	2428	35516	888	7123	56 Subject to a charge

I am, Gentlemen,

Your obedient Servant,

WALTER ELLIS,
Sanitary Inspector.

FOOD & DRUGS ACTS & MILK & CREAM REGULATIONS.

The provisions of these Acts and Regulations are carried out by the Derbyshire County Council.

PUBLIC HEALTH STAFF.

1.—Medical Officer of Health (Part-time Officer).

2.—Sanitary Inspector (Whole-time Officer) who is a Certificated Meat and Foods Inspector.

The Sanitary Inspector in addition to ordinary duties also carried out duties of Inspector under the Housing Acts, Inspector under the Factory and Workshops Acts, Inspector under the Dairies, Cowsheds, and Milkshops Regulations, and as Cleansing Superintendent.

HOUSING.

Number of new Houses erected during the year :

(a) Total 33

(b) As part of a Municipal Housing scheme 30 in course of erection

1. Unfit Dwelling Houses :

(1) Inspections. Total number of dwelling houses inspected for housing defects (under the Public Health or Housing Acts) 147

(2) Number of Dwelling Houses which were inspected and recorded under the Housing (Inspection of District) Regulations, 1910 53

(3) Number of Dwelling Houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation ... ... None

(4) Number of Dwelling Houses (exclusive of those referred to under the preceding sub-heading) found not to be in all respects reasonably fit for human habitation 53

2. Remedy of defects without service of formal notices :

Number of defective Dwelling Houses rendered fit in consequence of informal action by the Local Authority or their Officers 53

3. Action under Statutory Powers :

A.—Proceedings under Section 28 of the Housing, Town Planning, &c., Act, 1919.

(1) Number of Dwelling Houses in respect of which notices were served requiring repairs ... None

(2) Number of Dwelling Houses which were rendered fit :

(a) By Owners ... ... None

(b) By Local Authority in default of owners... None

(3) Number of Dwelling Houses in respect of which Closing Orders became operative in pursuance of declarations by the owners of intention to close ... ... None

B.—Proceedings under Public Health Acts :

(1) Number of Dwelling Houses in respect of which notices were served requiring defects to be remedied ... ... None

(2) Number of Dwelling Houses in which defects were remedied :

(a) By Owners ... ... None

(b) By Local Authority in default of owners... None

C.—Proceedings under Sections 17 and 18 of the Housing, Town Planning, &c., Act, 1909 :

(1) Number of representations made with a view to the making of Closing Orders ... ... None

(2) Number of Dwelling Houses in respect of which Closing Orders were made... ... ... None

(3) Number of Dwelling Houses in respect of which Closing Orders were determined, the Dwelling Houses having been rendered fit ... None

(4) Number of Dwelling Houses in respect of which Demolition Orders were made ... ... None

5) Number of Dwelling Houses demolished in pursuance of Demolition Orders ... ... None

REQUIREMENTS.

1. The provision of sufficient houses to meet existing needs of the district.
2. Private Street Works Act put into force for private roads in a defective condition.
3. The Conversion of existing privy-middens into water closets.
4. The abolition of cesspools at Stanfree and the provision of an efficient sewerage system for that portion of the district.
5. The direct scavenging of the Shuttlewood Area by the Council
6. Better means of refuse disposal, either by a destructor or otherwise.

CAUSES OF DEATH (CIVILIANS) IN THE URBAN DISTRICT OF BOLSOVER DURING 1921.

Causes of Death.	Males.	Females.
All Causes	74	51
Measles	3	1
Whooping Cough		1
Diphtheria		1
Influenza	2	1
Tuberculosis of respiratory system	7	6
Other Tuberculous Diseases		1
Cancer, Malignant Disease	2	3
Diabetes	1	1
Cerebral Hæmorrhage, &c.	2	1
Heart Disease	6	6
Arterio-sclerosis	1	
Bronchitis	6	3
Pneumonia, all forms	4	5
Other Respiratory Diseases	2	
Diarrhœa, &c., under 2 years	7	
Appendicitis and Typhlitis	1	
Acute and Chronic Nephritis	3	1
Congenital Debility & Malformation, Premature Birth...	6	8
Other Deaths from Violence	3	
Other defined Diseases	15	12
Causes ill-defined or unknown	3	
Deaths of Infants under 1 year of age	18	15
Total Illegitimate		1
Total Births	166	136
Legitimate	158	130
Illegitimate	8	6
Population	11700	

Factory & Workshop Acts.

FACTORIES, WORKSHOPS, LAUNDRIES, WORKPLACES & HOMEWORK.

1.—INSPECTIONS.

Premises.	Inspections.	Written Notices.
Factories	5	—
Workshops	27	3
	32	3

2.—DEFECTS.

Particulars	Found.	Remedied.
Want of Cleanliness	6	6
Sanitary Defects	2	2
Sanitary Accommodation	2	2
	10	10

3.—HOME WORK.

There are no Outworkers in the District to which this Act applies.

3.—REGISTERED WORKSHOPS.

Number of Workshops on the Register at end of year...18

Number of Bakehouses on the Register at end of year...4

Birth Rate, Death Rate, and Analysis of Mortality during the Year 1921.

(Provisional figures. Populations as enumerated in 1921 have been used for the purposes of this Table. The mortality rates refer to the whole population as regards England and Wales, but only to civilians as regards London and the groups of towns.

	Birth Rate per 1000 Total Population	Annual Death-rate per 1,000 Population.									Rate per 1,000 Births		Percentage of Total Deaths.			
		All Causes	Enteric Fever	Smallpox	Measles	Scarlet Fever	Whooping Cough	Diphtheria	Influenza	Violence	Diarrhœa and Enteritis under 2 years	Total Death under 1 year	Deaths in Public Institutions	Certified Causes of Death	Inquest Cases	Uncertified Causes of Death
England and Wales	22·4	12·1	0·02	0·00	0·06	0·03	0·12	0·12	0·23	0·44	15·5	83	25·5	92·5	6·4	1·1
96 Greater Towns, including London (1911 Census Populations exceeding 50,000) ..	23·3	12·3	0·01	0·00	0·08	0·04	0·13	0·15	0·23	0·40	19·3	87	33·2	92·5	6·8	0·7
148 Smaller Towns (1911 Census Populations 20,000—50,000)	22·7	11·3	0.01	0·00	0·05	0·03	0·11	0·11	0·26	0·35	15·6	84	17·7	93·5	5·1	1·4
London	22·3	12·4	0·01		0·05	0·06	0·12	0·25	0.23	0·42	21·3	80	49·2	91·6	8·2	0·2